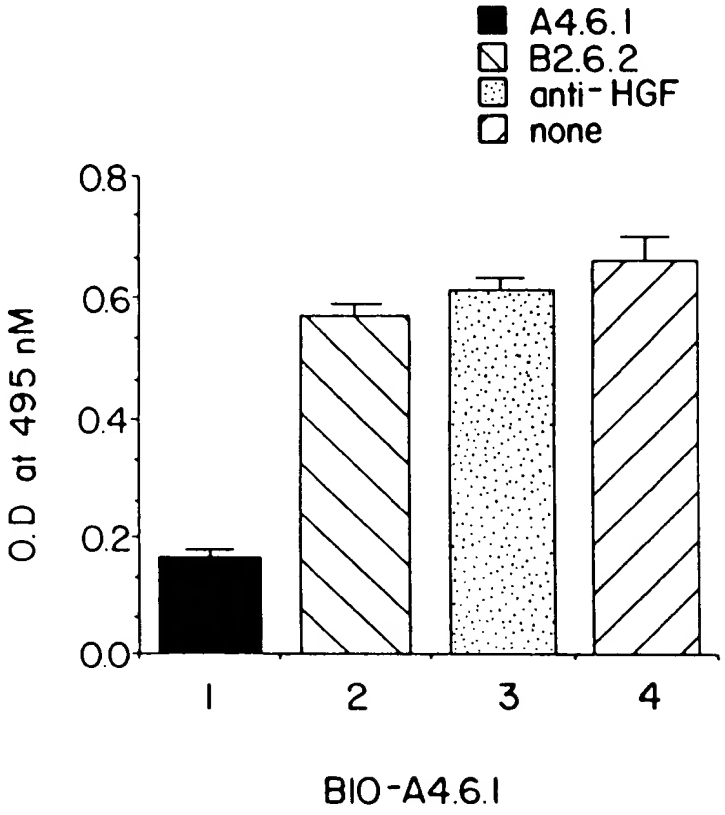
A4.6.1
B2.6.2
anti-HGF
none
0.8
0.6
0.4
0.2
0.0
O.D at 495 nM
1
2
3
4
BIO-A4.6.1

FIG. 1a

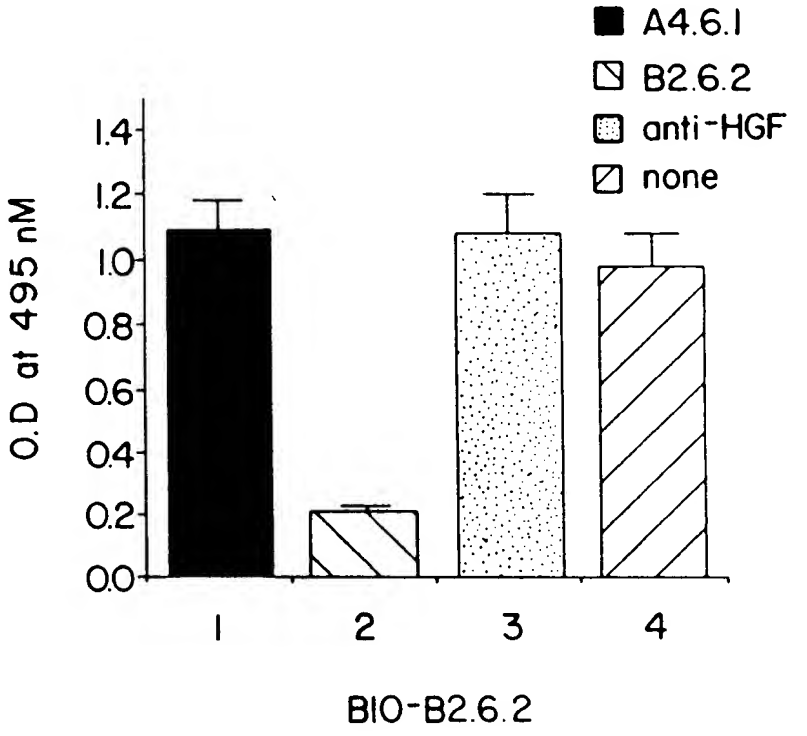
A4.6.1
B2.6.2
anti-HGF
none
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
O.D at 495 nM
1
2
3
4
BIO-B2.6.2

FIG. 1b

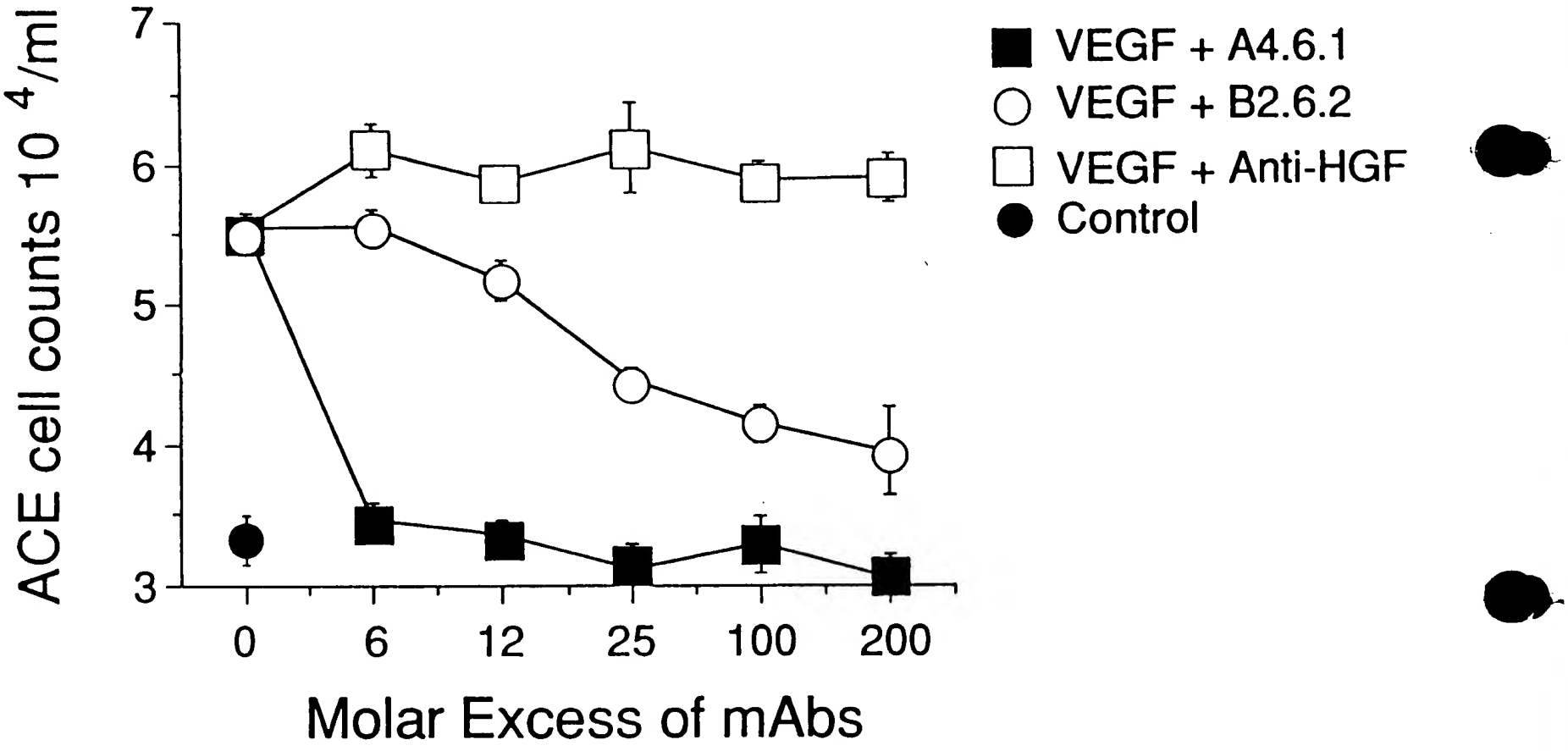
ACE cell counts 10 4/ml
7
6
5
4
3
0
6
12
25
100
200
Molar Excess of mAbs
VEGF + A4.6.1
VEGF + B2.6.2
VEGF + Anti-HGF
Control

FIG. 2

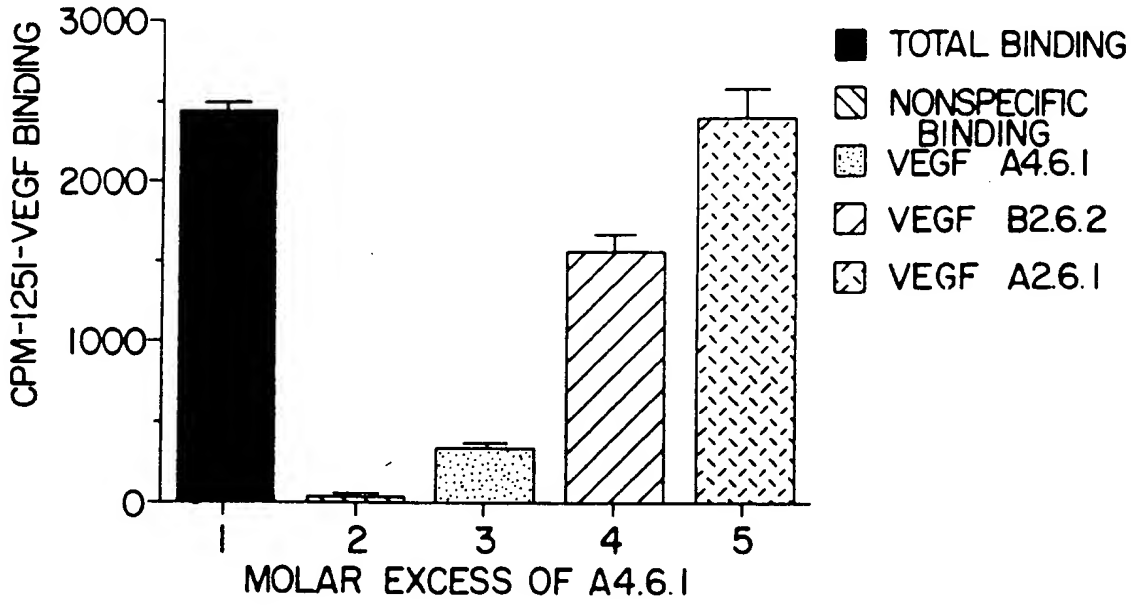
CPM-125I-VEGF BINDING
3000
2000
1000
0
1
2
3
4
5
MOLAR EXCESS OF A4.6.1
TOTAL BINDING
NONSPECIFIC BINDING
VEGF A4.6.1
VEGF B2.6.2
VEGF A2.6.1

FIG. 3a

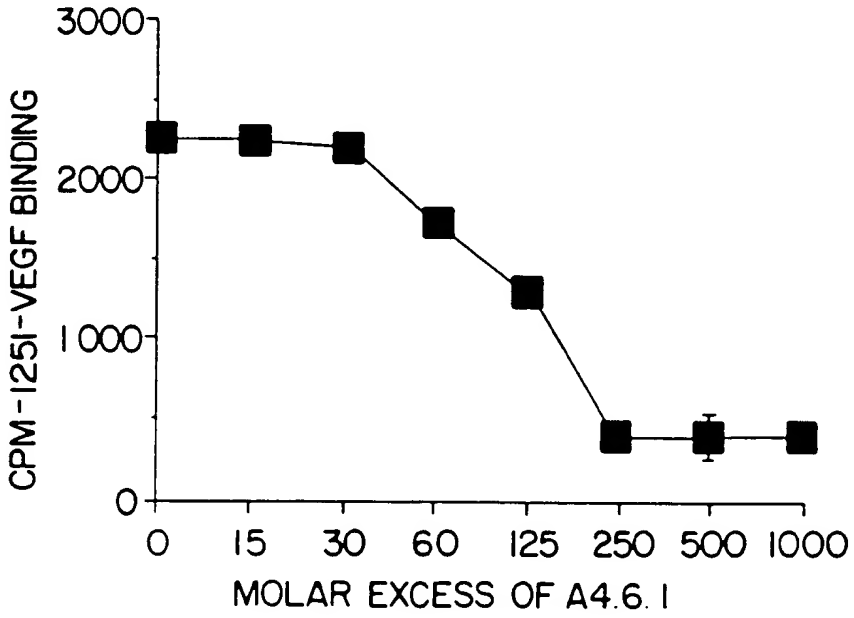
CPM-125I-VEGF BINDING
3000
2000
1000
0
0
15
30
60
125
250
500
1000
MOLAR EXCESS OF A4.6.1

FIG. 3b

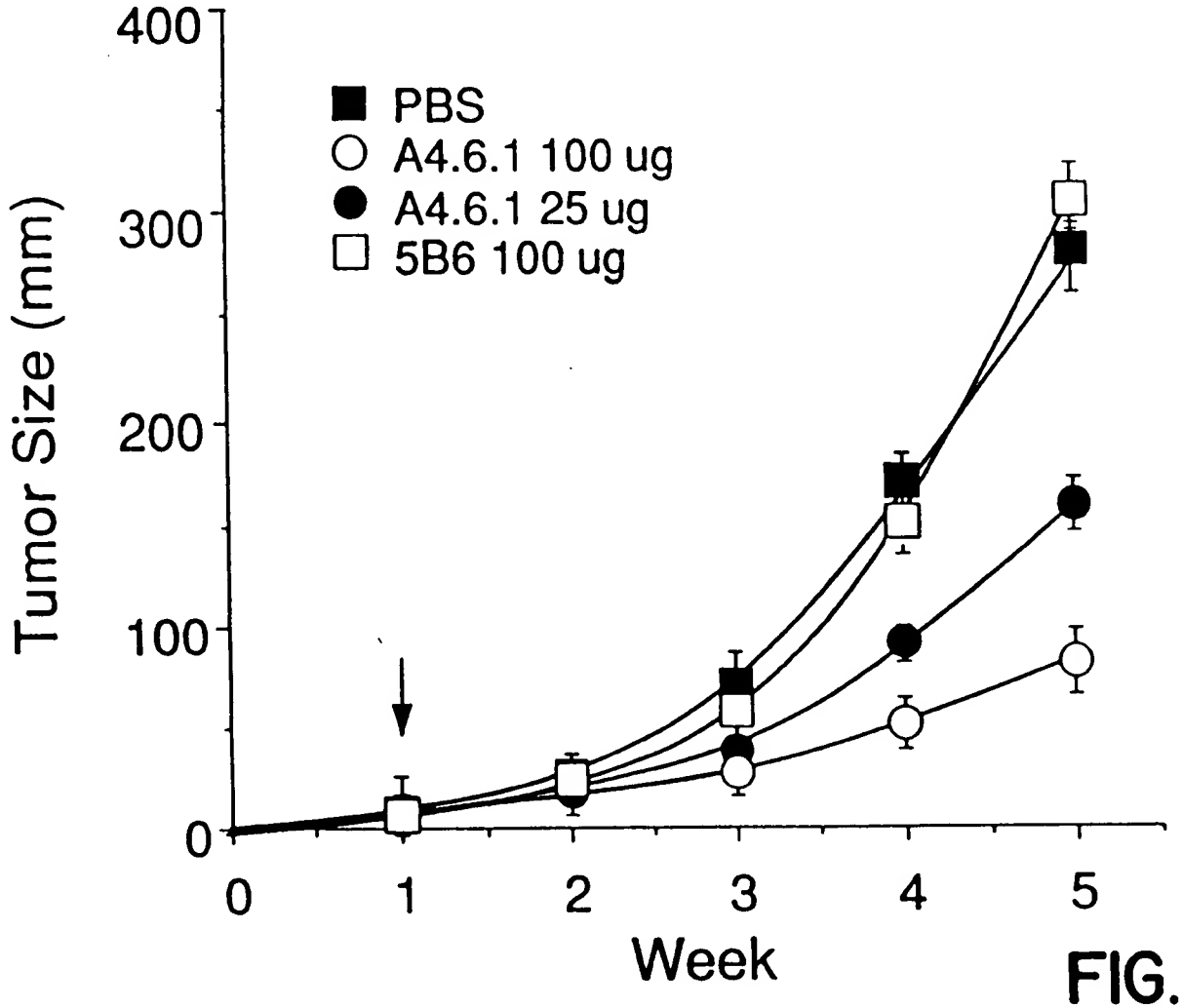
400
300
200
100
0
Tumor Size (mm)
PBS
A4.6.1 100 ug
A4.6.1 25 ug
5B6 100 ug
0
1
2
3
4
5
Week

FIG. 4

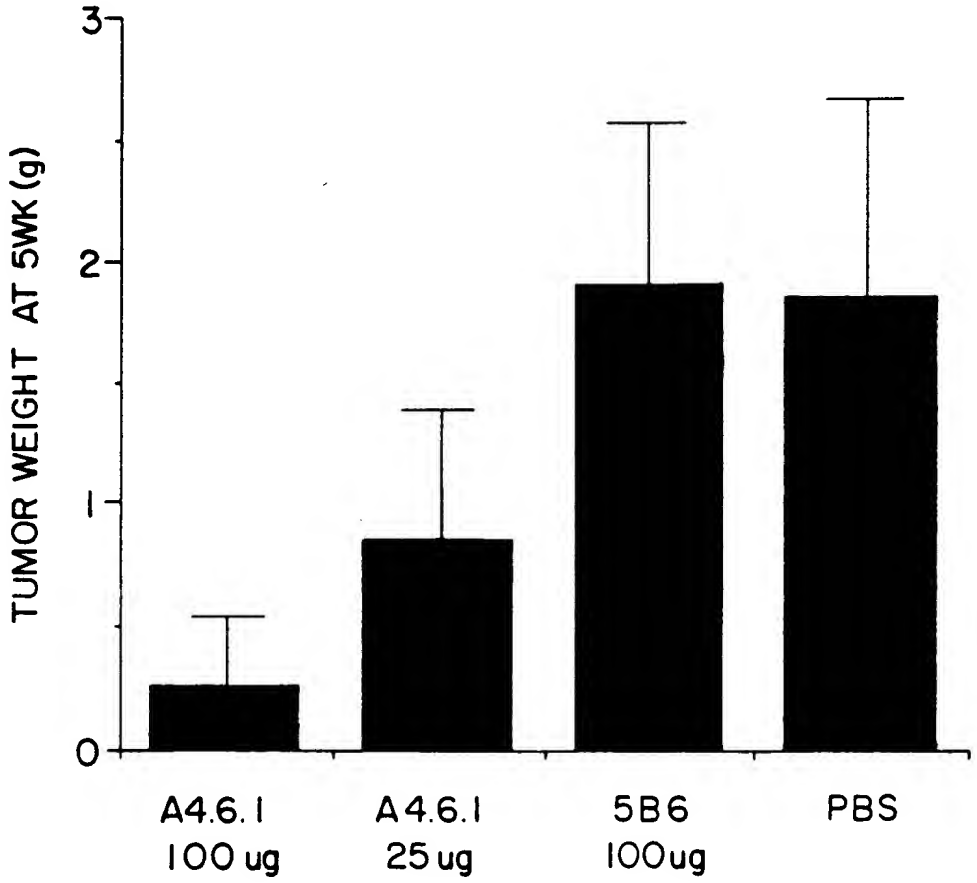

FIG. 5

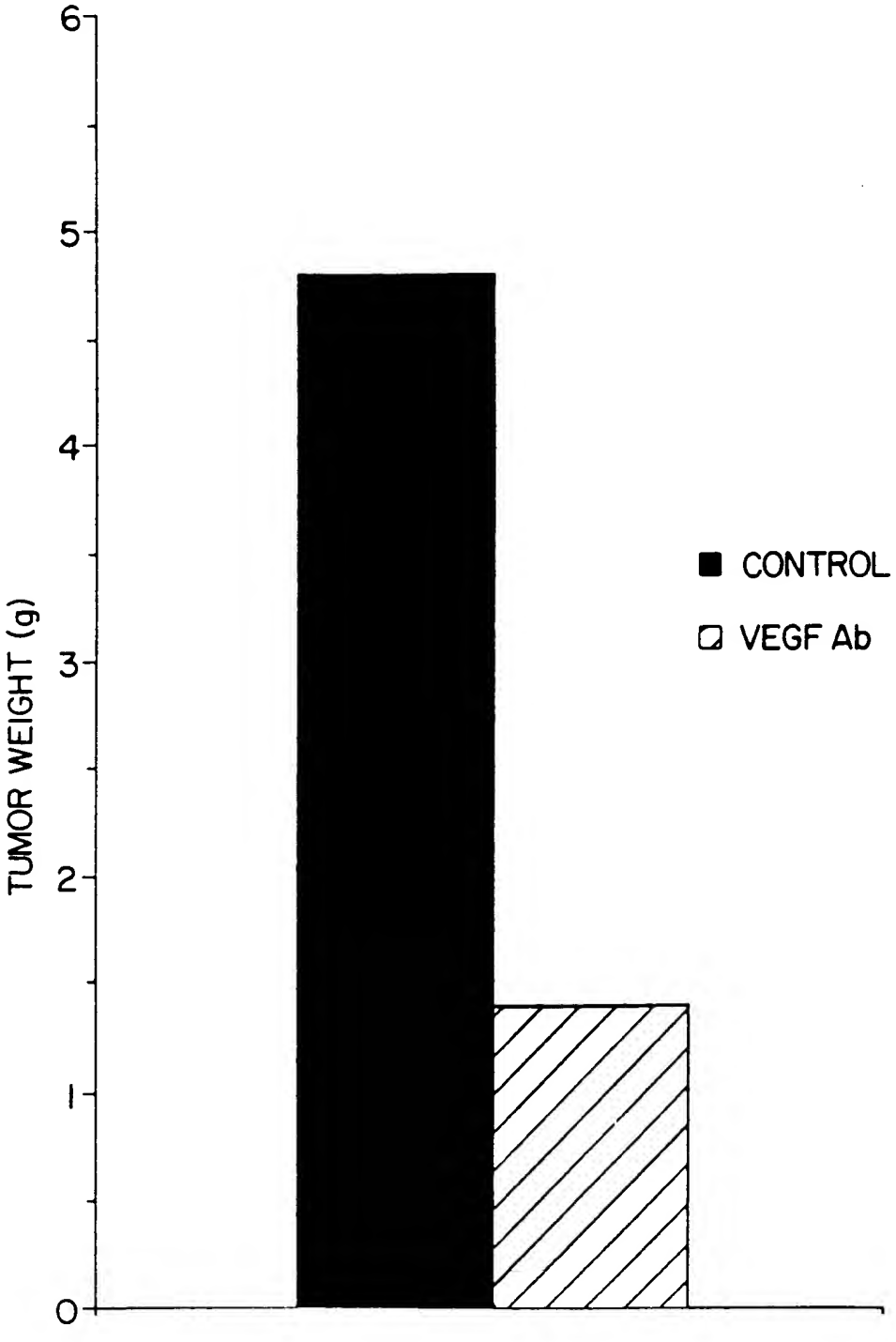

FIG. 6

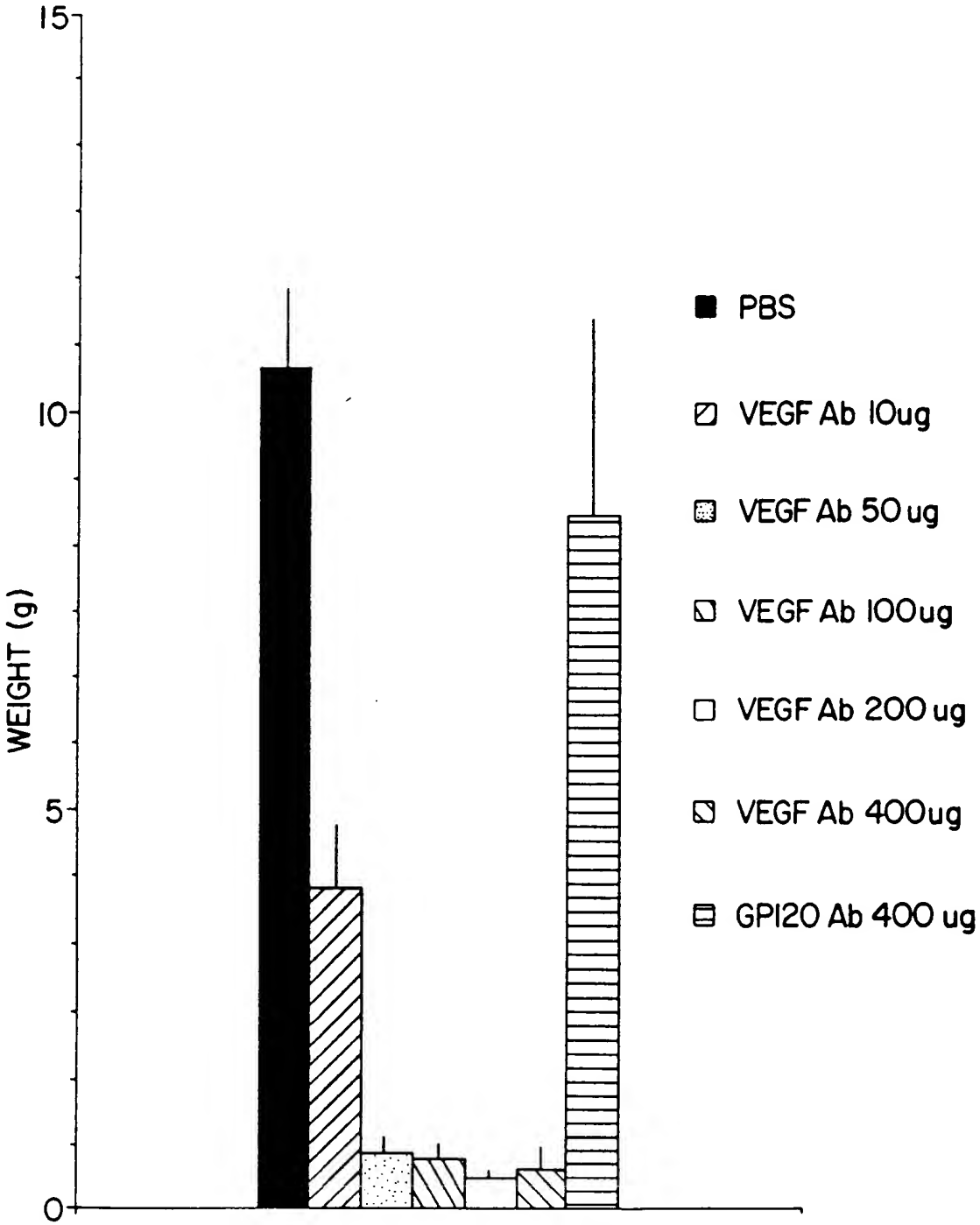
15
10
5
0
WEIGHT (g)
PBS
VEGF Ab 10ug
VEGF Ab 50 ug
VEGF Ab 100ug
VEGF Ab 200 ug
VEGF Ab 400ug
GP120 Ab 400 ug

FIG. 7

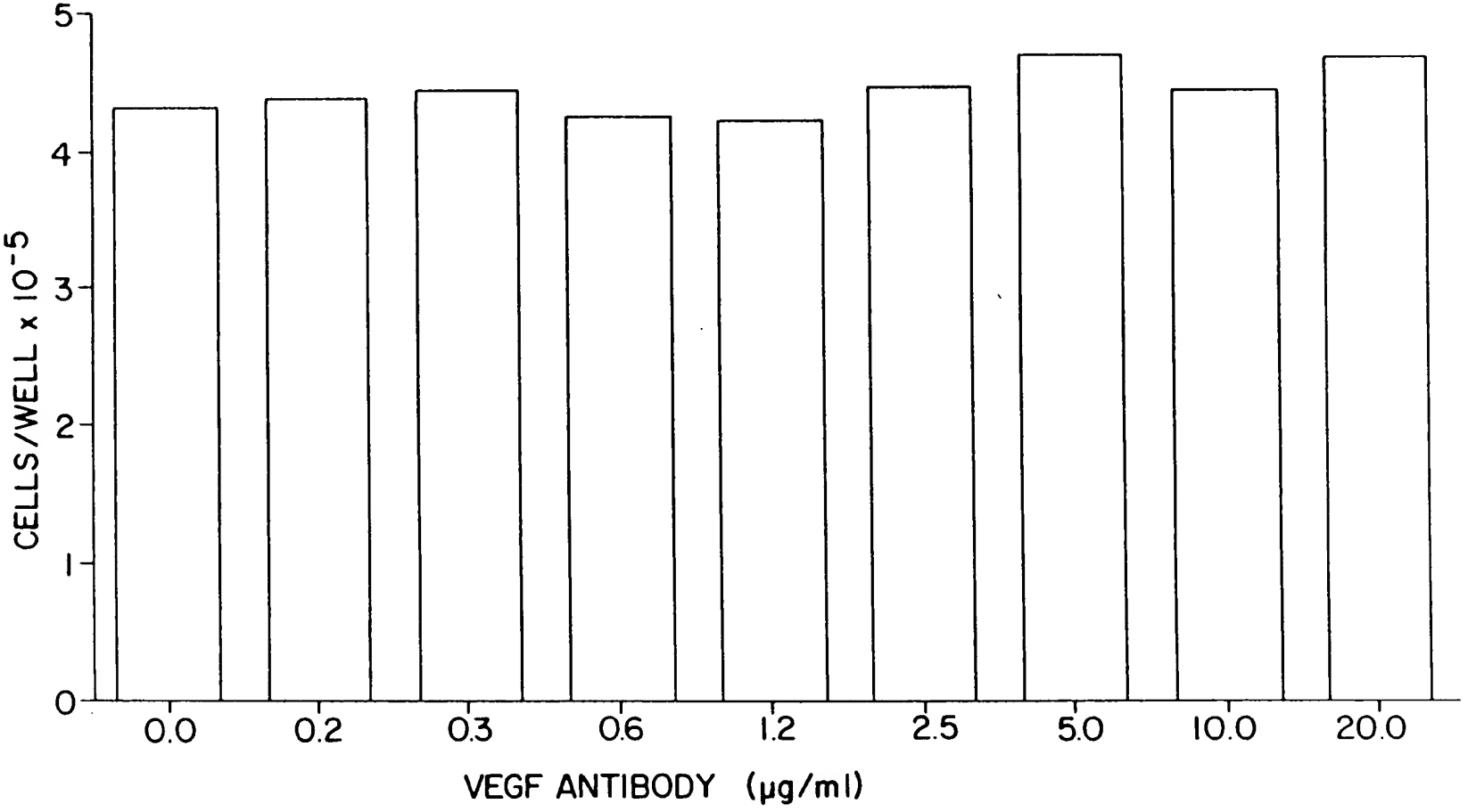
5
4
3
2
1
0
CELLS/WELL x 10^{-5}
0.0
0.2
0.3
0.6
1.2
2.5
5.0
10.0
20.0
VEGF ANTIBODY (µg/ml)

FIG. 8

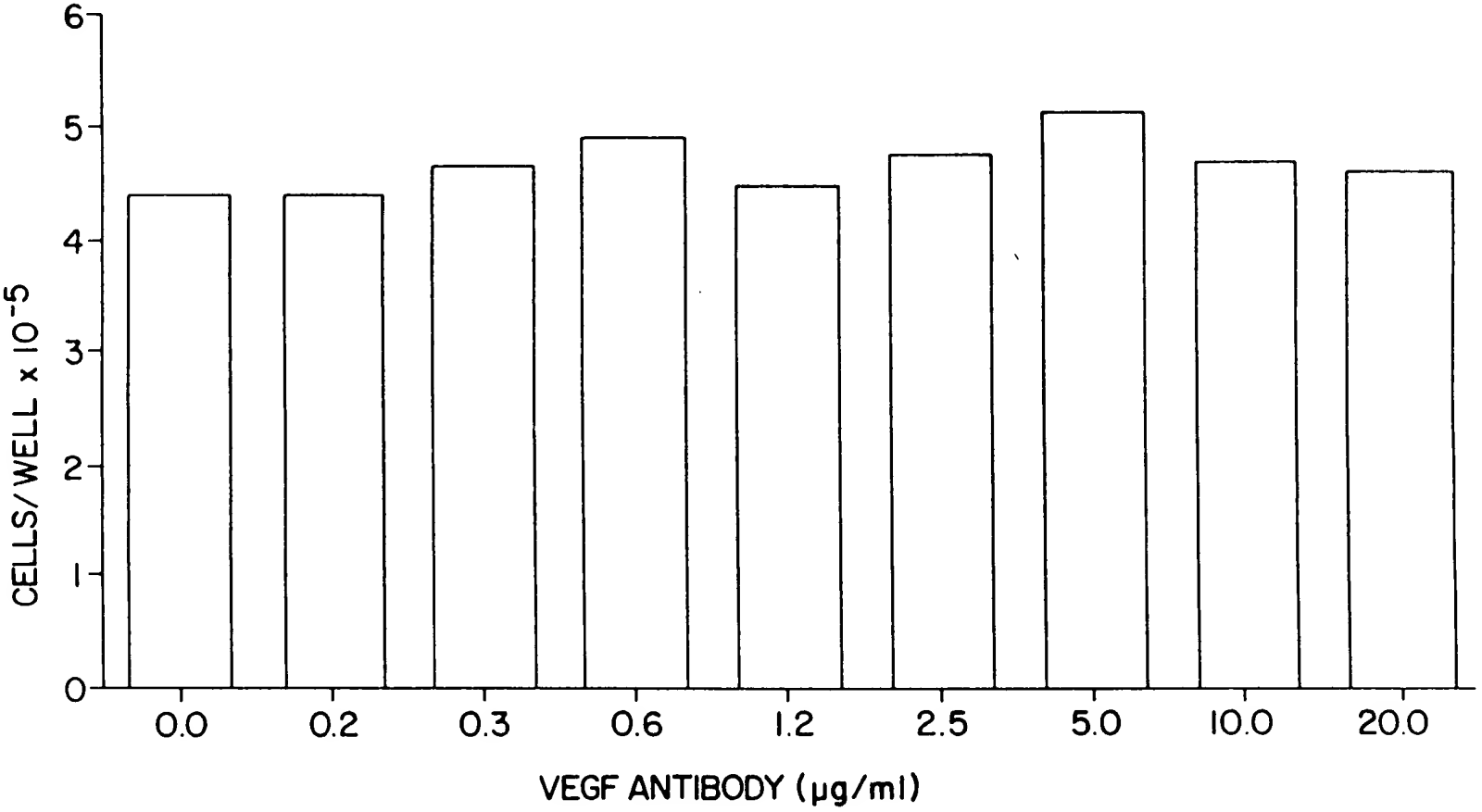

FIG. 9

Sample Type	Sample #	Assay Date	Syn. Fluid	Syn. Fluid + mAB VEGF	% Suppression
Rheumatoid Syn. Fluid	318	5.7.92	5.2 ± 0.2	2.7 ± 0.3	48
	150	5.7.92	7.0 ± 0.3	2.8 ± 0.4	60
	312	5.7.92	6.7 ± 0.4	3.7 ± 0.3	45
	264	5.7.92	6.2 ± 0.4	3.1 ± 0.3	50
	267	5.7.92	5.7 ± 0.6	4.4 ± 0.3	23
	202	5.22.92	10.0 ± 0.5	3.4 ± 0.6	66
	314	5.22.92	7.5 ± 0.3	3.1 ± 0.6	59
	237	5.22.92	6.1 ± 0.5	2.2 ± 0.3	64
	206	5.22.92	6.7 ± 0.5	2.2 ± 0.3	67
	317	5.22.92	5.2 ± 0.3	2.5 ± 0.6	52
Osteoarthritis Syn. Fluid	165	6.2.92	4.0 ± 0.3	2.8 ± 0.4	30
	211	6.2.92	3.4 ± 0.5	3.0 ± 0.2	11.7
	195	6.2.92	3.5 ± 0.2	3.3 ± 0.3	5.7
	122	6.2.92	3.7 ± 0.3	3.2 ± 0.4	13.5
	16	6.2.92	4.1 ± 0.3	3.8 ± 0.5	7.3

Mean % Suppression for RA Fluids 53.4 4.2
Mean % Suppression for OA Fluids 13.6 3.9
Synovial fluids were diluted 1:50.

Controls:

6.2.92	PBS	3.3 0.30
	bFGF 1μg/ml	3.7 0.38
5.22.92	PBS	1.2 0.38
	bFGF 1μg/ml	7.8 0.31
5.2.92	PBS	1.3 0.18
	bFGF 1μg/ml	9.0 0.41

FIG. 10

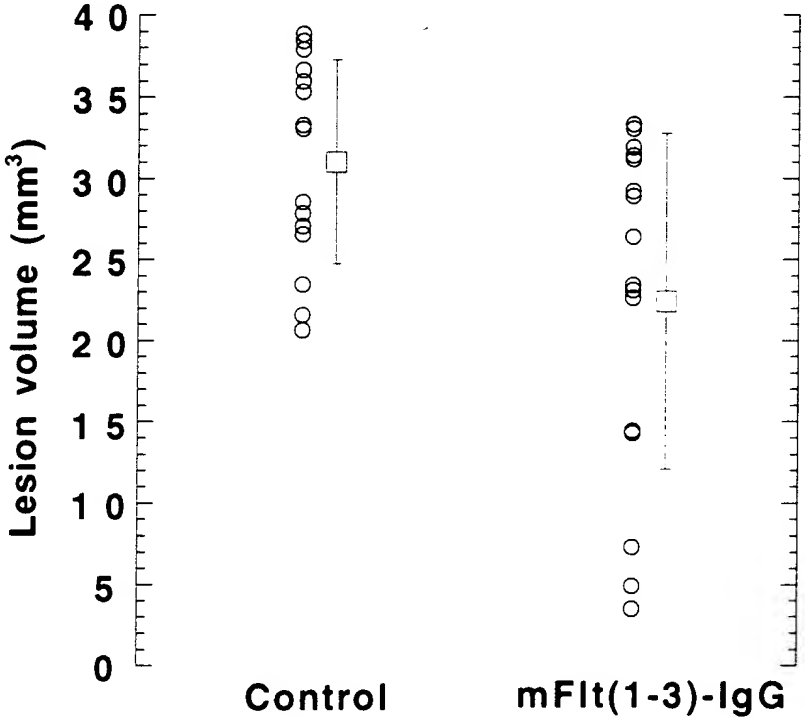

FIG. 11

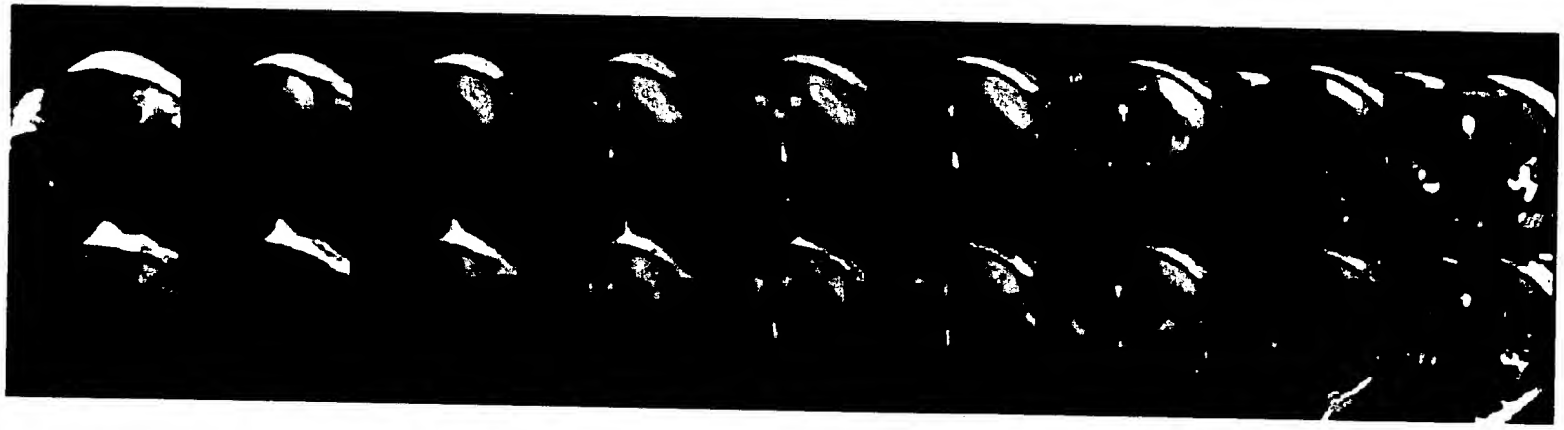

FIG. 12

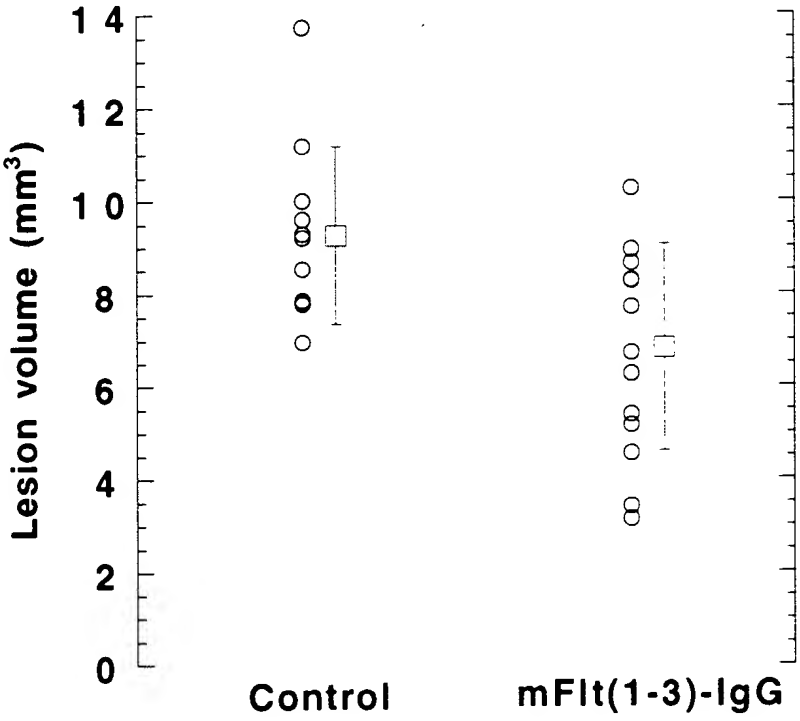

FIG. 13

= differences from F[redacted]-12

```
                                10                  20                  30
F(ab)-12 DIQMTQSPSSLSASVGDRVTITCSASQDISNYLNWYQQ
Y0243-1  DIQ[redacted]TQSPSSLSASVGDRVTITC[redacted]SNYLNWYQQ
Y0238-3  DIQ[redacted]TQSPSSLSASVGDRVTITC[redacted]SNYLNWYQQ
Y0313-1  DIQ[redacted]TQSPSSLSASVGDRVTITC[redacted]SNYLNWYQQ
Y0317    DIQ[redacted]TQSPSSLSASVGDRVTITCSASQDISNYLNWYQQ
                                                CDR-L1
                40                  50                  60                  70
F(ab)-12 KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0243-1  KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0238-3  KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0313-1  KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0317    KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
                    CDR-L2
            80              90                  100
F(ab)-12 SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0243-1  SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0238-3  SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0313-1  SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0317    SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
                        CDR-L3
```

FIG. 14A

```
                                10                  20                  30
F(ab)-12 EVQLVESGGGLVQPGGSLRLSCAASGYTFTNYGMNWVR
Y0243-1  EVQLVESGGGLVQPGGSLRLSCAASGY[redacted]FT[redacted]YGMNWVR
Y0238-3  EVQLVESGGGLVQPGGSLRLSCAASGYTFTNYG[redacted]NWVR
Y0313-1  EVQLVESGGGLVQPGGSLRLSCAASGY[redacted]FT[redacted]YGMNWVR
Y0317    EVQLVESGGGLVQPGGSLRLSCAASGY[redacted]FT[redacted]YGMNWVR
                                                CDR-H1
                40                  50                  60                  70
F(ab)-12 QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0243-1  QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0238-3  QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0313-1  QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0317    QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
                    CDR-H2                          CDR-7
            80              90                  100                 110
F(ab)-12 YLQMNSLRAEDTAVYYCAKYPHYYGSSHWYFDVWGQGTL
Y0243-1  YLQMNSLRAEDTAVYYCAKYPHYYGSSHWYFDVWGQGTL
Y0238-3  YLQMNSLRAEDTAVYYCAKYP[redacted]YYG[redacted]SHWYFDVWGQGTL
Y0313-1  YLQMNSLRAEDTAVYYCAKYP[redacted]YYG[redacted]SHWYFDVWGQGTL
Y0317    YLQMNSLRAEDTAVYYCAKYP[redacted]YYG[redacted]SHWYFDVWGQGTL
                                CDR-H3
```

FIG. 14B

FIG. 15A

■ = differences from F(ab)-12

```
                        10                  20                  30
F(ab)-12 DIQMTQSPSSLSASVGDRVTITCSASQDISNYLNWYQQ
Y0192    DIQETQSPSSLSASVGDRVTITCRANEQLSNYLNWYQQ
Y0238-3  DIQETQSPSSLSASVGDRVTITCRANEQLSNYLNWYQQ
Y0239-19 DIQETQSPSSLSASVGDRVTITCRANEQLSNYLNWYQQ
Y0313-2  DIQETQSPSSLSASVGDRVTITCRANEQLSNYLNWYQQ
                                    CDR-L1
                    40                  50                  60                  70
F(ab)-12 KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0192    KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0238-3  KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0239-19 KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
Y0313-2  KPGKAPKVLIYFTSSLHSGVPSRFSGSGSGTDFTLTIS
                CDR-L2
                    80                  90                  100
F(ab)-12 SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0192    SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0238-3  SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0239-19 SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
Y0313-2  SLQPEDFATYYCQQYSTVPWTFGQGTKVEIKRTV
                        CDR-L3
```

FIG. 15B

```
                        10                  20                  30
F(ab)-12 EVQLVESGGGLVQPGGSLRLSCAASGYTFTNYGMNWVR
Y0192    EVQLVESGGGLVQPGGSLRLSCAASGYTFTNYGMNWVR
Y0238-3  EVQLVESGGGLVQPGGSLRLSCAASGYDFTHYGMNWVR
Y0239-19 EVQLVESGGGLVQPGGSLRLSCAASGYTFTNYGMNWVR
Y0313-2  EVQLVESGGGLVQPGGSLRLSCAASGYDFTHYGMNWVR
                                    CDR-H1
                    40                  50                  60                  70
F(ab)-12 QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0192    QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0238-3  QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0239-19 QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
Y0313-2  QAPGKGLEWVGWINTYTGEPTYAADFKRRFTFSLDTSKSTA
                CDR-H2                              CDR-7
                    80                  90                  100
F(ab)-12 YLQMNSLRAEDTAVYYCAKYPHYYG---SSHWYFDVWGQGTL
Y0192    YLQMNSLRAEDTAVYYCAKYPHYYG---SSHWYFDVWGQGTL
Y0238-3  YLQMNSLRAEDTAVYYCAKYPHYYG---SSHWYFDVWGQGTL
Y0239-19 YLQMNSLRAEDTAVYYCAKYPHYYVNERKSHWYFDVWGQGTL
Y0313-2  YLQMNSLRAEDTAVYYCAKYPHYYVNERKSHWYFDVWGQGTL
                                    CDR-H3
```